

<b>Notice of Allowability</b>	Application No.	Applicant(s)
	10/727,206	GRULL ET AL.
	Examiner David M Brunsman	Art Unit 1755

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to the application filing.
2.  The allowed claim(s) is/are 1-44.
3.  The drawings filed on 03 December 2003 are accepted by the Examiner.
4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All    b)  Some\*    c)  None    of the:
    1.  Certified copies of the priority documents have been received.
    2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 20040318,20040202
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

The following is an examiner's statement of reasons for allowance: The instant claims are directed to a method of producing starch products using an electric pulse method, the products having unique properties produced thereby and the improved end uses thereof. The term "electric pulse method" is clearly and extensively described in the prior art of record and its meaning apparent to one of ordinary skill in the art. The independent method claim 1, recites "A method of producing starch, organic starch, or starch containing products from starch-containing plant raw materials, which comprises performing an electric pulse method on the starch-containing plant raw materials." As proper, the claim omits unnecessary recitation of well known processing steps and highlights the improvement discovered by the instant inventors. While interpreting the claim in a vacuum may lead one to conclusion that any of the various prior art food preservation methods using electric pulse methods disclosed by applicant would anticipate the instant claims, as any food material having a starch component could be considered a starch containing product after treatment with electric pulse, the claims in a patent application must be read in light of the specification. The specification makes it clear that the term "producing" in the instant claims requires a process wherein starch containing plant raw materials are exposed to the electric pulse method and then starch is extracted therefrom. See page 2, line 21 through page 3, line 2 and page 4, lines 4-14, especially. The application file also contains convincing evidence that one of ordinary skill in the art would interpret the claims in this manner in the prosecution of the PCT parent application which was performed on the same basis. Therefore, the prior art of record fails to teach or suggest the claimed process of producing starch, organic starch or starch containing products. Nor, does the prior art disclose starch materials having the unique properties exhibited by the products of this method including heretofore unavailable protein and lipid contents, as evidenced by the prior art of record and the sworn statements of the instant

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specification. Further, the prior art does not disclose the improved end uses available with the improved starch materials uniquely produced with the inventive process including electric pulse.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David M Brunsman whose telephone number is 571-272-1365. The examiner can normally be reached on M, W, F, Sa; 6:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Bell can be reached on 571-272-1362. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

David M Brunsman  
Primary Examiner  
Art Unit 1755

DMB

